



#4

# SEQUENCE LISTING

<110> Allen, Keith D.  
Moore, Mark  
Matthews, William

<120> TRANSGENIC MICE CONTAINING FPR-RS4 GENE  
DISRUPTIONS

<130> R-632 CIP

<140> US 10/026,937

<141> 2001-12-21

<150> US 10/005,196

<151> 2001-12-04

<160> 3

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 1554

<212> DNA

<213> Mus musculus

<400> 1

```
cctttccata gagaacaaag aactaaagaa attctgtgac aaatggacaa tataattggc 60
ccagtgttct cctcctcatg gtaatctcat gcctctacaa tctacatcca gtacactctc 120
aggtaacat cagagtaagg atatggagcc taggatccct tcttaaacia ctggagacgt 180
aataaccctc tttattaatg catagaatta agatttccat agggatattt aacagaaaac 240
cacatttact ctattacccc tagaatagggt actttttaa atagaaggatgt gtgggatctg 300
aggtaggcgg gacaagaatg gagacacatc tgaaaaatag ttattgttga aaatttttag 360
gtactgacaa gatggaagtc aacatttcaa tgccctctgaa tggatcagaa gttgtgtttt 420
atgattctac cacctcaagt gttctatgga tccctctcatt agtgggttctc tttataacct 480
ttgtcctcgg tgttctaggt aatgggcttg tgatttgggt ggctgggttc cagatggcac 540
acactgtgac cactgtctct tatctgaact tggctttgag tgatttatct ttcattggta 600
ctctaccact tcacatcatc tcaatgggtc tgagaggaaa atggcttttt ggttgggttc 660
tttgcaaatt agttcacata attgcaaaca taaacctttt tgtaagtatc ttcctaatac 720
ctcttattgc catggatcgc tgtatttgtg tccctgtgcc agtatgggtc cagaatcacc 780
gaactgtgag tctggccaga aaagtgggtc ttggagcttg gatatttgct ctgctgctta 840
ccttgccaca ttttctcttc ttgactacag tgagagatgc aagaggggat gtgtactgta 900
tatctaaatt tgaatcctgg gttgcaacct ctgaagagca gttaaagatg tctgttattg 960
ctgccacagc ttcaggaatc atcaatttca ttattggatt cagcatgccc atgtctttca 1020
ttgctatctg ctatggactc atggctgcca agatctgcag aagaggcttt gtgaattcca 1080
gtcgtccttt acgtgtcctc actgctgtag cgatttccct ctttgtctgt tggttccctt 1140
ttcaattaat tatgtcttta ggcaacatct ttaacaatga gacactgagc attattcata 1200
tgtttggtta cccagcaa atcttggtt cctttaacag ctgcctcaac ccaatactct 1260
atgtattcct gggtcaggaa ttcagagaca gactaatcta ttctctgtat gccagtctag 1320
agagggccct gaggaagac tagtccttga tggaaaattc agtccctgagc actgacacag 1380
acagcaactt gtcttcatga actgcagact ctgagctata ggaaatggca ggagtaaggc 1440
caatgggatt tttttttccc taccctagtc ttaatttctg tcttatccta tcttgcata 1500
aatttctgag tataactata gaatctctct gattctgatt tggaagacag aagt 1554
```

<210> 2

<211> 323

<212> PRT

<213> Mus musculus

<400> 2

Met	Glu	Val	Asn	Ile	Ser	Met	Pro	Leu	Asn	Gly	Ser	Glu	Val	Val	Phe
1				5					10					15	
Tyr	Asp	Ser	Thr	Thr	Ser	Ser	Val	Leu	Trp	Ile	Leu	Ser	Leu	Val	Val
			20					25					30		
Leu	Phe	Ile	Thr	Phe	Val	Leu	Gly	Val	Leu	Gly	Asn	Gly	Leu	Val	Ile
		35					40					45			
Trp	Val	Ala	Gly	Phe	Gln	Met	Ala	His	Thr	Val	Thr	Thr	Val	Ser	Tyr
		50				55					60				
Leu	Asn	Leu	Ala	Leu	Ser	Asp	Leu	Ser	Phe	Met	Val	Thr	Leu	Pro	Leu
65					70					75					80
His	Ile	Ile	Ser	Met	Val	Met	Arg	Gly	Lys	Trp	Leu	Phe	Gly	Trp	Phe
			85						90					95	
Leu	Cys	Lys	Leu	Val	His	Ile	Ile	Ala	Asn	Ile	Asn	Leu	Phe	Val	Ser
			100					105					110		
Ile	Phe	Leu	Ile	Thr	Leu	Ile	Ala	Met	Asp	Arg	Cys	Ile	Cys	Val	Leu
		115					120					125			
Cys	Pro	Val	Trp	Ser	Gln	Asn	His	Arg	Thr	Val	Ser	Leu	Ala	Arg	Lys
		130				135					140				
Val	Val	Leu	Gly	Ala	Trp	Ile	Phe	Ala	Leu	Leu	Leu	Thr	Leu	Pro	His
145					150					155					160
Phe	Leu	Phe	Leu	Thr	Thr	Val	Arg	Asp	Ala	Arg	Gly	Asp	Val	Tyr	Cys
				165					170					175	
Ile	Ser	Lys	Phe	Glu	Ser	Trp	Val	Ala	Thr	Ser	Glu	Glu	Gln	Leu	Lys
			180					185					190		
Met	Ser	Val	Ile	Ala	Ala	Thr	Ala	Ser	Gly	Ile	Ile	Asn	Phe	Ile	Ile
		195					200					205			
Gly	Phe	Ser	Met	Pro	Met	Ser	Phe	Ile	Ala	Ile	Cys	Tyr	Gly	Leu	Met
		210				215					220				
Ala	Ala	Lys	Ile	Cys	Arg	Arg	Gly	Phe	Val	Asn	Ser	Ser	Arg	Pro	Leu
225					230					235					240
Arg	Val	Leu	Thr	Ala	Val	Ala	Ile	Ser	Phe	Phe	Val	Cys	Trp	Phe	Pro
				245					250					255	
Phe	Gln	Leu	Ile	Met	Leu	Leu	Gly	Asn	Ile	Phe	Asn	Asn	Glu	Thr	Leu
			260					265					270		
Ser	Ile	Ile	His	Met	Leu	Val	Asn	Pro	Ala	Asn	Thr	Leu	Ala	Ser	Phe
		275					280					285			
Asn	Ser	Cys	Leu	Asn	Pro	Ile	Leu	Tyr	Val	Phe	Leu	Gly	Gln	Glu	Phe
		290				295					300				
Arg	Asp	Arg	Leu	Ile	Tyr	Ser	Leu	Tyr	Ala	Ser	Leu	Glu	Arg	Ala	Leu
305					310					315					320
Arg	Glu	Asp													

<210> 3  
 <211> 400  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Targeting Vector

<400> 3  
 catagaatta agatttccat agggatattt aacagaaaac cacatttact ctattacccc 60  
 tagaataggt actttttaaa atagaagggtg atgtgggatc tgaggtaagg cgggacaaga 120  
 tggagacaca tctgaaaaat agttattgtt gaaaattttt aggtgctgac aagatggaag 180  
 tcaacatttc aatgcctctg ccactgtctc ttatctgaac ttggctttga gtgatttatc 240  
 tttcatggct actctaccac ttcacatcat ctcaatggtc atgagaggaa aatggctttt 300  
 tggttgggtt ctttgcaaat tagttcacat aattgcaaac ataaaccttt ttgtaagtat 360  
 cttcctaatac actccttattg ccatgggatcg ctgtatttgt 400